

In the Matter of)
)
Revision of the Commission's Rules) CC Docket No. 94-102
To Ensure Compatibility with)
Enhanced 911 Emergency Calling Systems)

1 In FCC File No. 0000364671, the Wireless Telecommunications Bureau approved the assignment of the WPOI 466 license from United Native American Telecommunications, Inc. to Licensee, a two-member limited liability company in which Sitnasauk Native Corporation would hold a 51% equity interest and United Native American Telecommunications, Inc. would hold the remaining 49% equity interest. On February 12, 2001, those parties notified the Federal Communications Commission of the consummation of that license assignment.

Commission approval was only recently consummated, Licensee is now in the process of applying for its own TRS number.

2. Contact Information: The person responsible for furnishing this report on behalf of the Licensee is:

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E911 PHASE II LOCATION TECHNOLOGY INFORMATION

1. Type of Technology: Licensee plans to deploy handset-only Phase II location technology throughout Licensee's entire service territory that will utilize the Global Positioning System (GPS) to provide accurate location information with respect to the mobile units it serves. In this regard, Licensee will rely upon a wireless location device (uPD77533) jointly developed by NEC Corporation and SnapTrack, Inc. that affords all-terrain position location accuracy and availability.

2. Testing and Verification: Attachment A describes the capabilities of the subject wireless location chipset that Licensee will depend upon. As joint developers of that chipset, NEC Corporation and SnapTrack, Inc. have indicated that its employment will permit a carrier that uses that chipset to meet the OET Bulletin No. 71 guidelines for determining the accuracy of automatic location identification (ALI) solutions. Licensee has not to date personally

² Licensee is in the process of filing with the Federal Communications Commission an application for consent to transfer of control and will be changing its name to SNC Telecommunications, LLC.

conducted tests of its own to verify the accuracy of the ALI solution it will be relying upon since the chipset in question has not yet been made available to it.

3. Implementation Details and Schedule: As indicated in Attachment A, NEC and SnapTrack have announced they anticipate that sample chips will be available in April 2001, together with a compatible RF/IF down converter developed by NEC as a chipset solution. Moreover, volume production of the chip is expected to begin in October 2001.

4. PSAP Interface: Licensee's implementation of the handset-only solution it will adopt and the timing thereof will, of course, be dependent upon the commercial availability to it of the equipment heretofore identified. Since that equipment has not yet been provided to Licensee, it is difficult for Licensee to determine at this juncture the hardware and software changes that may be necessary to transmit Phase II data to the PSAP.

5. Existing Handsets: As the NEC/SnapTrack chipsets are made commercially available, Licensee will effectuate the necessary acquisition thereof and replacement of existing customer handsets. Licensee will implement a schedule of reduced service fees over a specified term to assist subscribers in absorbing the cost of ALI-compliant handsets.

6. Location of Non-Compatible Handsets: As previously stated in response to Item 4, Licensee will adopt a schedule of reduced service fees that will apply over an identifiable term to help mitigate the cost impact of subscribers' converting from non-compliant to compliant handsets. Licensee will also stock a minimum supply of compatible handsets that can be rented to those who may be roaming over an extended uninterrupted time frame in Licensee's RSA.

7. Other Information: To date, Licensee has not received any written or oral Phase II requests from the PSAP.

Licensee trusts that the information furnished herewith has responded fully to the Commission's request on wireless E911 Phase II implementation status. Should the Commission have any further questions regarding this matter, Licensee will do everything possible to furnish the information sought.

Respectfully submitted,

SNC/UNAT, LLC

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ATTACHMENT A

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*****For immediate use January 31st, 2001

NEC & SnapTrack Develop Wireless Assisted GPS Chipset Solution for Location Information Services via Mobile Terminals

TOKYO - January 31st, 2001 - NEC Corporation (NEC) (Nasdaq: NIPNY, FTSE: 6701q.l, TSE: 6701) and SnapTrack, Inc., have jointly developed a wireless location device (uPD77533) that uses the Global Positioning System (GPS) to provide accurate location information for applications in mobile handsets and other wireless devices.

The new chip, which uses SnapTrack's industry-leading Wireless Assisted GPS™ technology, enables all-terrain position location accuracy and availability. Sample chips are expected to be available in April 2001, along with a compatible RF/IF down converter developed by NEC as a chipset solution. Volume production of the chip is expected to begin in October 2001. Financial details of the royalty-bearing licensing agreement between NEC and SnapTrack for the joint project were not disclosed.

The wireless location chipset enables the simple integration of location information services into mobile handsets and terminals. The uPD77533 signal processor is fully compatible with SnapTrack's SnapSmart™ location server software, and utilizes SnapTrack's Wireless Assisted GPS location solution to provide accurate positioning even inside or between buildings targeting -152dBm sensitivity and cold start times of 3-6 seconds.

With SnapTrack's technology, final position calculations are performed on a location server using GPS measurements provided by the chipset embedded in the mobile device, reducing the processing and power consumption burden on the device while enhancing accuracy and response time. NEC's signal processing technology integrates this technology for communications between the GPS-enabled mobile terminal and the location server on a digital signal processor such as the uPD77533.

The uPB1007 down-converter integrated circuit (IC) offers signal processing capability to convert the high-frequency GPS satellite signal to a low-frequency signal used to establish location. Compared to NEC's current uPB1005 down converter product, the new chip offers a pre-amp onboard and a lower power dissipation.

Even with the inclusion of low-power RAM (uPD4616112), the terminal chipset consumes only 90mA. The uPD77533 accounts for 30mA and the uPB1007 RF/IF down converter for just 25mA. Further enhancing the chipset's portability is its compact plastic packaging, with the uPD77533 in an 11mm square 108-pin ball grid array (BGA) and the uPB1007 in a 6mm square 36-pin quad flat non lead (QFN) plastic package.

NEC will be offering the chipset to mobile terminal manufacturers aimed at promoting value-added services based on a user's location information. Services are expected to include emergency location, navigation services, tailored e-commerce services and location-specific business and entertainment information.

About NEC Corporation

NEC Corporation (NASDAQ: NIPNY) (FTSE: 6701q.l) (TSE: 6701) is a leading provider of Internet solutions, dedicated to meeting the specialized needs of its customers in the key computer, network and electron device fields through its three market-focused in-house companies: NEC Solutions, NEC Networks and NEC Electron Devices. NEC Corporation, with its in-house companies, employs more than 150,000 people worldwide and saw net sales of 4,991 billion Yen (approx. US\$48 billion) in fiscal year 1999-2000. For further information, please visit the NEC home page at: <http://www.nec-global.com>

About SnapTrack, Inc.

Headquartered in San Jose, Calif., SnapTrack, a subsidiary of QUALCOMM, Incorporated (Nasdaq: QCOM), is focused on integrating GPS and two-way wireless technologies. SnapTrack's patented architecture offers anytime, anywhere, accurate, high-speed location of a wireless caller, even inside buildings where conventional GPS does not operate. SnapTrack pioneered Wireless Assisted GPS and owns patents that are fundamental to the cost-effective deployment of Wireless Assisted GPS-based location systems. SnapTrack has commercial agreements with major wireless chipset vendors that provide most of the wireless modem chipsets to the industry. In addition, many major carriers have chosen to deploy products and services incorporating SnapTrack technology, and to be supported by SnapTrack's SnapSmart location server software. For more information, please visit www.snaptrack.com

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Press Release

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*****For immediate release July 21, 1999

NEC Partners with SnapTrack to Bring Location Information Services to Mobile Communications Operators

Tokyo, Japan, July 21, 1999 - Tokyo-based NEC, one of the world's leading suppliers of telecommunications communications products, and San Jose, California-based SnapTrack Inc. have announced an agreement to join forces in the field of personal location technology to significantly enhance the scope of available location information services in Japan.

NEC Corporation will utilize SnapTrack's personal location technology to develop a location information system that will be marketed to mobile communications operators in Japan as a value-added service for mobile communications systems. In addition, NEC and SnapTrack will discuss further marketing possibilities of this system to worldwide mobile communications operators. They will combine their talents in a wide range of overseas projects, including joint development of new products and services, and product quality assurance and maintenance.

Under the terms of agreement, NEC will integrate SnapTrack's GPS (Global Positioning System) software in its mobile communications system positioning server, which will then be marketed to mobile communications operators as a total solution service application. SnapTrack will allow NEC to use its personal location technology, and provide technical support to operators who purchase the system. NEC and SnapTrack plans to develop new products and services for a mobile communications location information system together, and to provide such quality management solution for their products as quality assurance and maintenance.

Currently, there are a few location information systems available in Japan that use GPS; however, SnapTrack's personal location technology will allow for distinct advantages over existing GPS position location systems. These advantages include: positioning time is reduced by 1/10, to approximately 1 - 6 seconds; positioning accuracy of approximately 1/4 to 1/10, from 5 meter to 50 meter accuracy; a 100-fold improvement in positioning sensitivity due to location information correction by the server. In addition, the technology allows for low-cost embedding of the service into cellular telephones with minimum impact on the terminal size and weight. This feature will enable NEC to provide an advanced, easy-to-use location information service at a low cost.

SnapTrack's software will be integrated into a positioning server, to which NEC will add service controllers, tracking servers and Internet connection gateways. Coupled with NEC's proven real-time rapid application technology, as well as its high reliability, scalability and quality assurance technologies, the system will enable a location information service solution that will satisfy carrier class requirements.

The two companies anticipate that the popularity of this new location information service solution will significantly expand the breadth of the application. These applications could include services that determine emergency calls or those that utilize the display window of cellular telephones for position information (i.e. maps and city information displays). In addition, position information can be used for tracking sales people, children and pets, for arranging meeting places, and for alerting customers to special toll rate area discounts.

NEC and SnapTrack expect that their agreement will yield significant developments in the field of position information services by leveraging NEC's track record of providing total solutions for communications operators. NEC has provided a wide range of network enhanced service solutions such as switching systems, voice mail, FAX mail and short message services for stationary and mobile communications operators, both domestically and internationally. NEC plans an aggressive sales program to target mobile communications operators and market services utilizing SnapTrack's industry-leading positioning and GPS technologies.

- [NEC Profile](#)
- [SnapTrack Profile](#)

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